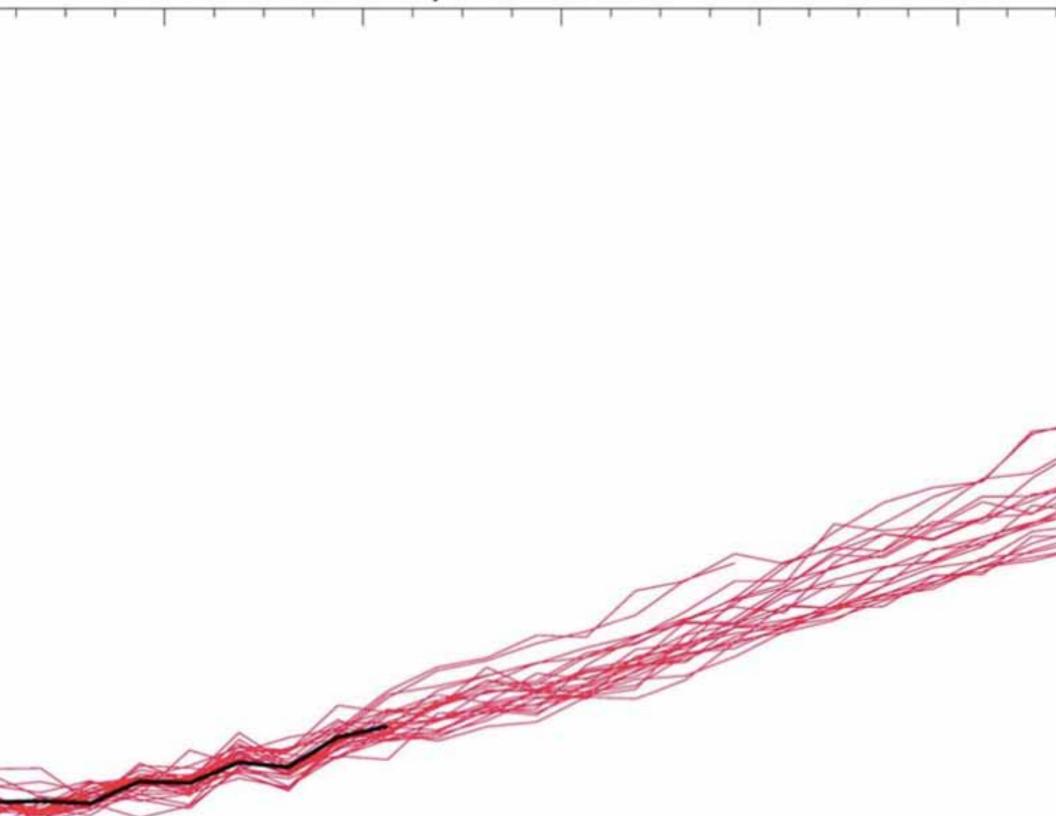
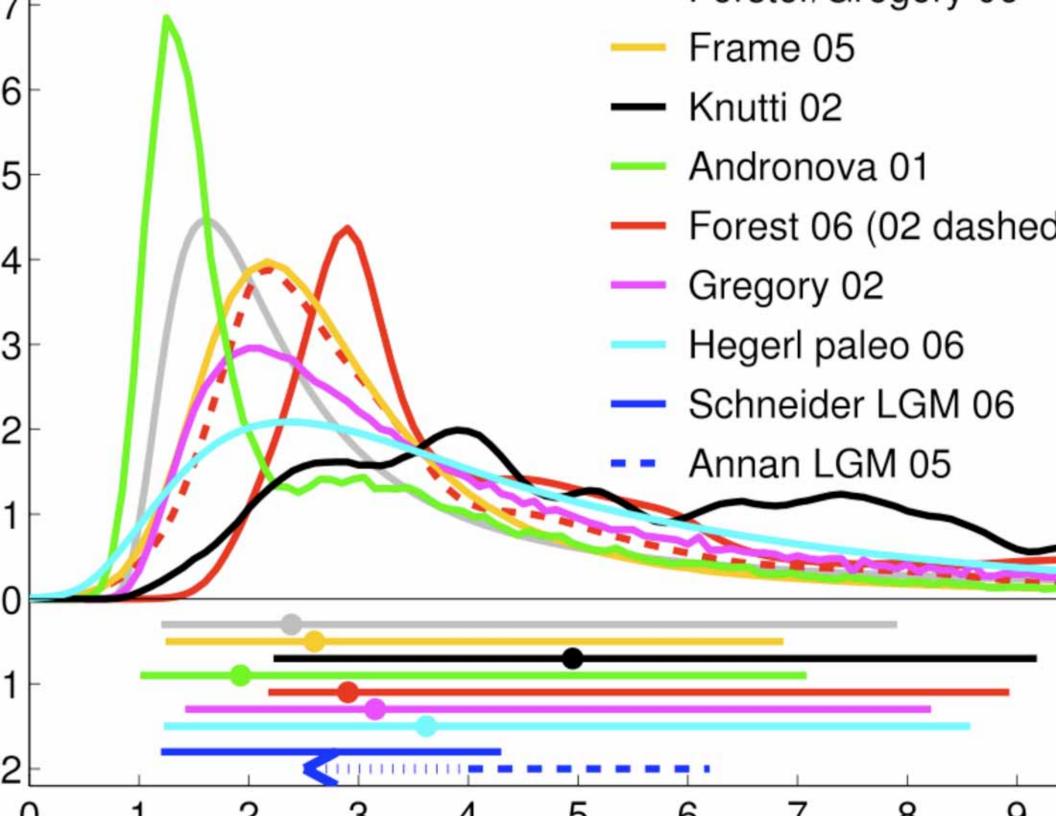
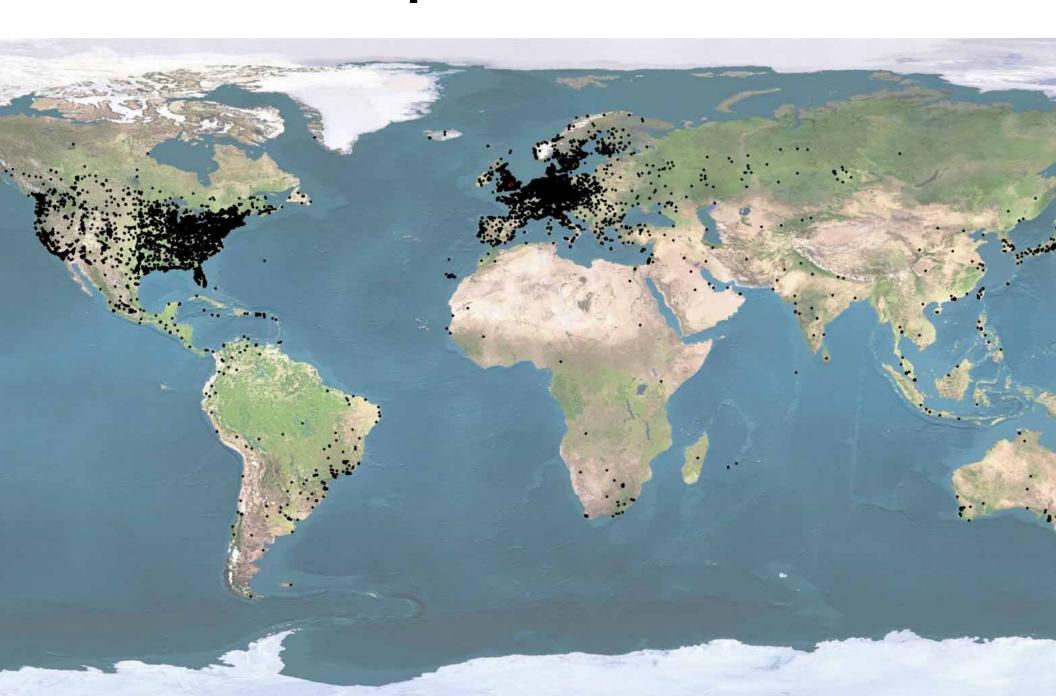
Regional climateprediction.net for the western US

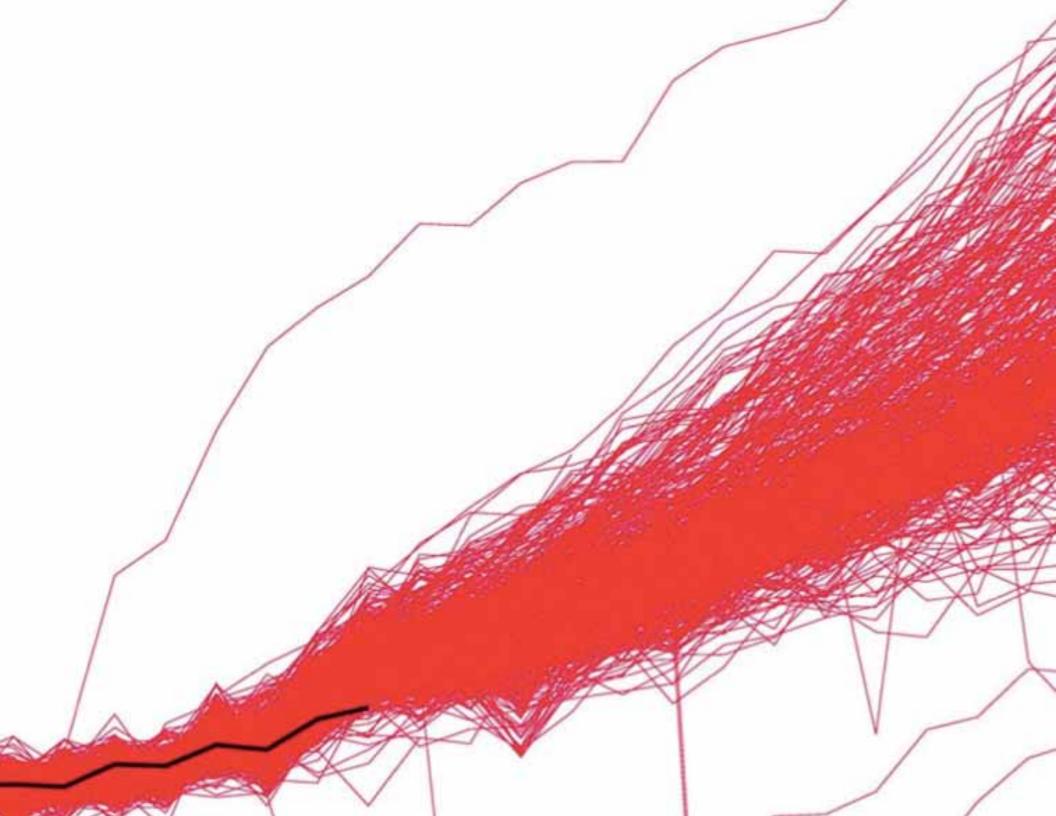
Philip Mote
Oregon Climate Change Research Institute





climateprediction.net





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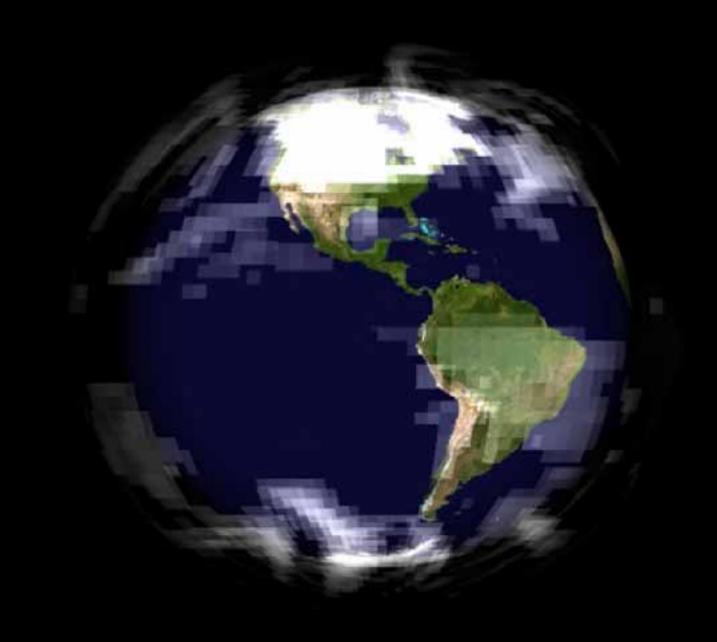
key when iver mode ature snow e

art rotation ide grid nore options

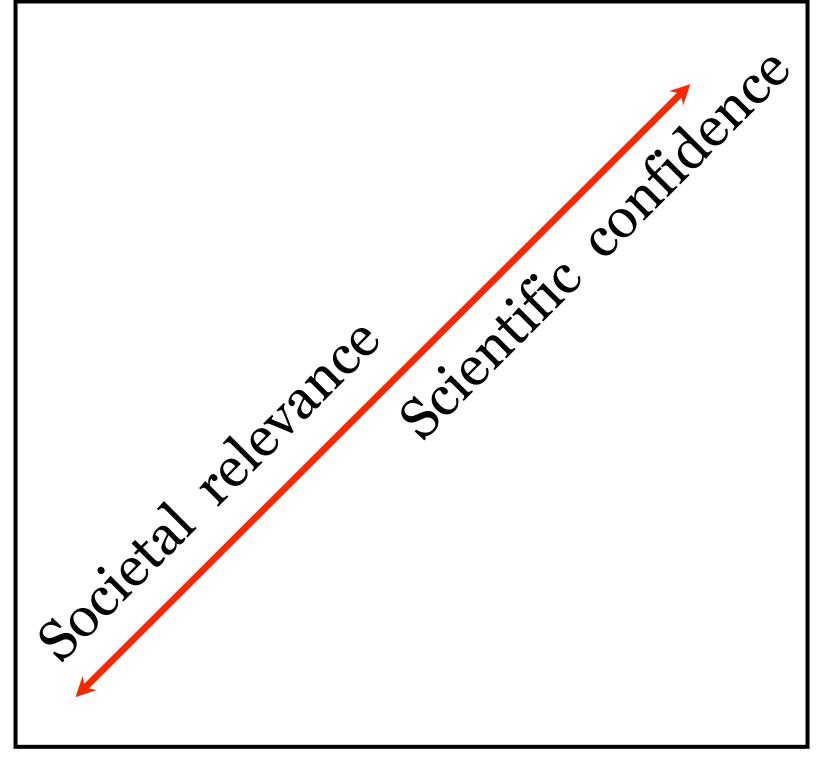
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surface

iter model of simulates nere & ocean ibal grid. w shows the scale. Switch oud (C) and its to observe

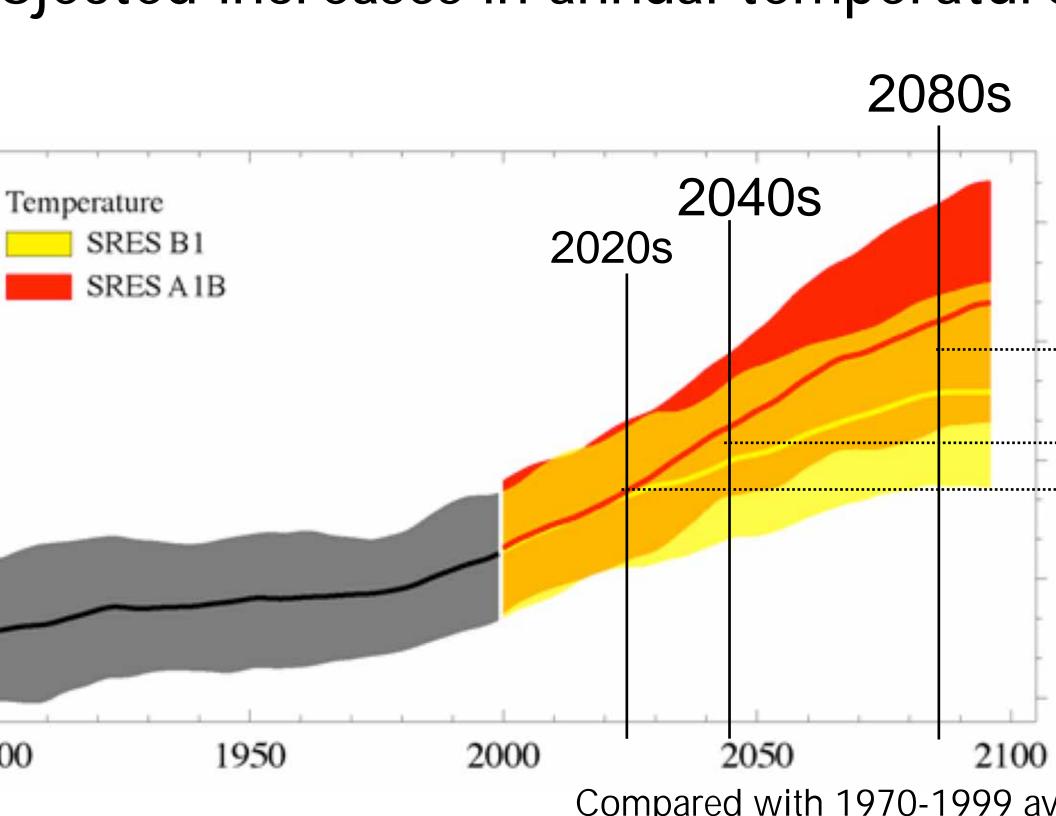


Thanks for taking part! Modelling the first few years is extremely useful for created by

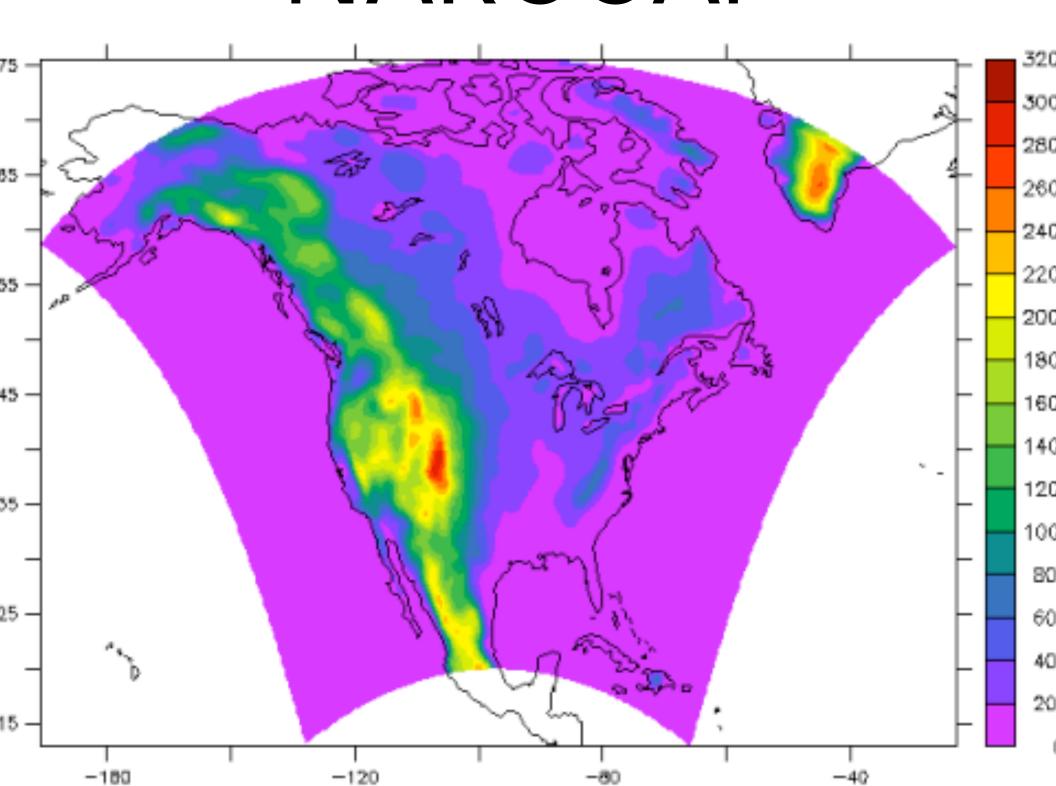


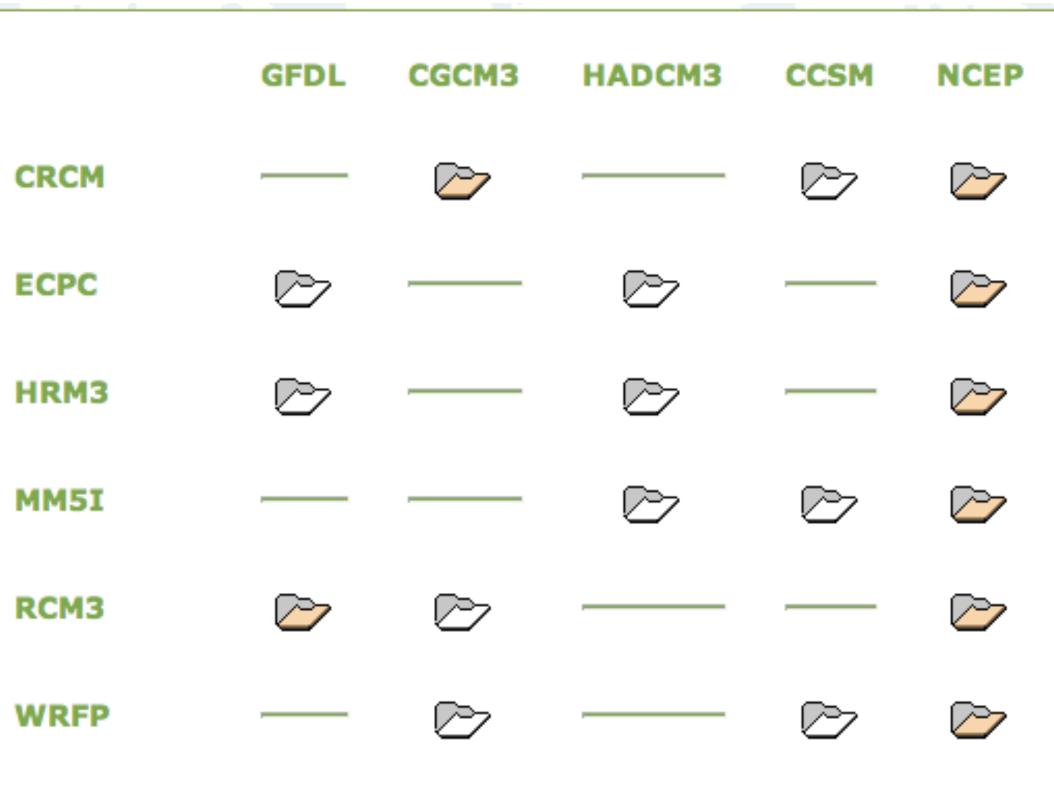
Spatial scale





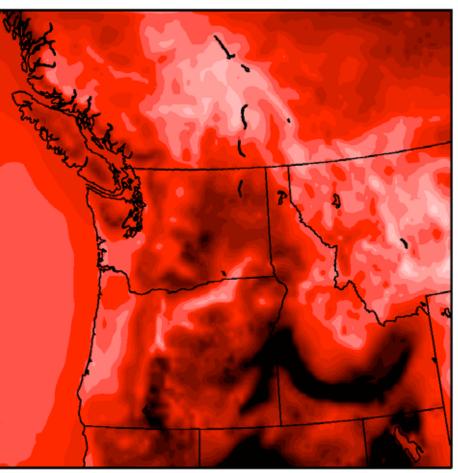
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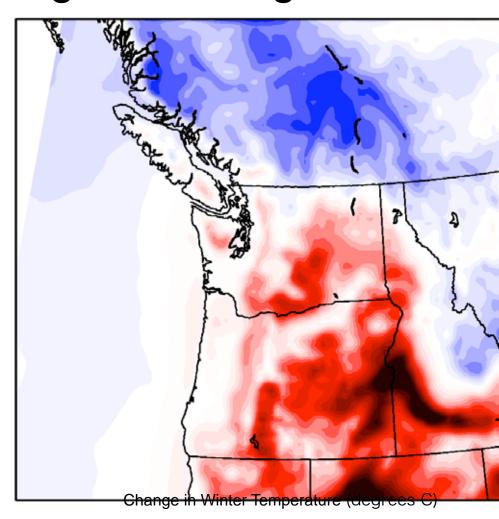
Winter Warming

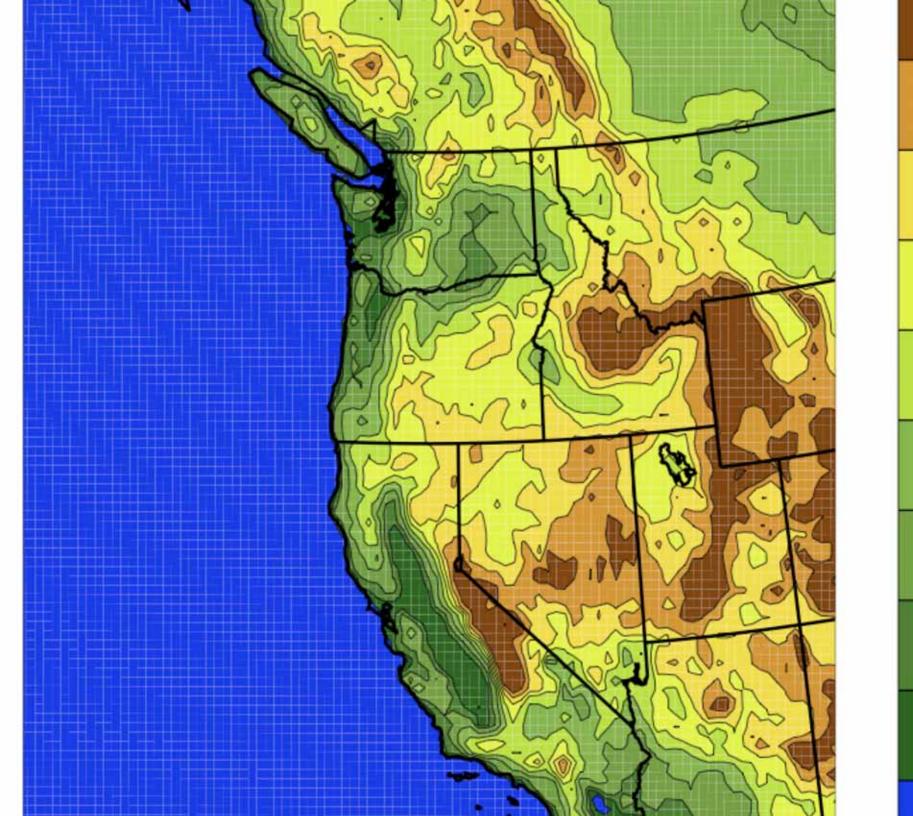
1990s to 2050s Temperature Change



Change in Winter Temperature (degrees C)

Difference between regional and global mode





500 f

```
ear average of number of trost days per month
ber of days with Tmax > threshold (3 different) over the 10 years
thly 99th percentiles of Tmax, 1st percentile Tmin, computed over the 10 years
mum (Minimum) surface temperature per month and per year
treme precipitation
mum number of consecutive dry days over the 10 years
age monthly number of wet days over the 10 years
ear maximum 3-day precipitation
ber of days with P > threshold (3 different) over the 10 years
thly 99<sup>th</sup> high percentiles of P, computed over the 10 years
mum daily P for each year
treme wind
mum daily wind speed for each year
drological cycle
ear average of monthly soil moisture
ear average of 1<sup>st</sup> of each month snow water equivalent
ear average of monthly runoff
y maximum of daily runoff
of maximum daily runoff in average over the 10 years
of last snow in average over the 10 years
```

owelling

regional CPDN

- Higher spatial resolution
- Higher statistical resolution
- More societally relevant outputs